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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590 08/21/2008

Elsa Keller Siemens Corporation Intellectual Property Department 170 Wood Avenue South Iselin, NJ 08830

EXAMINER				
LEJA, RONALD W				
ART UNIT	PAPER NUMBER			

2836

DATE MAILED: 08/21/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/659,202	09/10/2003	Tery John Evans	2003P08454 US	5586

TITLE OF INVENTION: AFCI TEMPERATURE COMPENSATED CURRENT SENSOR

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	11/21/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where n

maintenance fee notificat	ed below or directed offitions. ENCE ADDRESS (Note: Use Blo			Note Fee(pape	: A certificate of ma s) Transmittal. This co rs. Each additional pa	iling can only be used for	correspondence address as trate "FEE ADDRESS" for or domestic mailings of the for any other accompanying nt or formal drawing, must
7590 08/21/2008 Elsa Keller Siemens Corporation Intellectual Property Department				I her State	Certifice The control of the control of the certifice The control of the certific certific certific certific certific certification certific	cate of Mailing or Trans	g deposited with the United st class mail in an envelope above, or being facsimile
170 Wood Aven Iselin, NJ 08830							(Depositor's name)
				_			(Signature)
	_			_			(Date)
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10/659,202	09/10/2003		Tery John Evans			2003P08454 US	5586
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nonprovisional	NO	\$1440	\$300		\$0	\$1740	11/21/2008
EXAM	INER	ART UNIT	CLASS-SUBCLASS				
LEJA, RO	NALD W	2836	361-042000				
 Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED OF CORRESPONDENCE DATA TO BE PRINTE			(1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.				
PLEASE NOTE: Unl recordation as set forth (A) NAME OF ASSIG	ess an assignee is identi h in 37 CFR 3.11. Comp GNEE	ified below, no assignee oletion of this form is NC	e data will appear on the DT a substitute for filing (B) RESIDENCE: (C	he pa	atent. If an assignee itssignment. and STATE OR COU	JNTRY)	ocument has been filed for
Please check the appropriate assignee category or categories (will not be a same state of the following fee(s) are submitted: Issue Fee Publication Fee (No small entity discount permitted) Advance Order - # of Copies			b. Payment of Fee(s): (A check is enclos Payment by credi	Plea: ed. t caro	se first reapply any p	previously paid issue fee attached.	shown above)
	s SMALL ENTITY statu	is. See 37 CFR 1.27.	* *			ENTITY status. See 37 Cl	FR 1.27(g)(2). ne assignee or other party in
interest as shown by the r	records of the United Star	tes Patent and Trademar	k Office.	ian U	ic applicant, a register	ed autorney of agent; of the	e assigned of other party in
Authorized Signature Date							
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This collection of inform an application. Confident submitting the completed this form and/or suggesti Box 1450, Alexandria, V Alexandria, Virginia 223	tiality is governed by 35 I application form to the ons for reducing this but irginia 22313-1450. DO	FR 1.311. The informati U.S.C. 122 and 37 CFR USPTO. Time will var iden, should be sent to the ONOT SEND FEES OR	ion is required to obtain 1.14. This collection i y depending upon the i he Chief Information O COMPLETED FORM	or res s esti ndivi ffice S TC	etain a benefit by the p mated to take 12 min idual case. Any comn r, U.S. Patent and Tra) THIS ADDRESS. S	public which is to file (and utes to complete, including nents on the amount of the demark Office, U.S. Dep END TO: Commissioner	I by the USPTO to process) g gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450,

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

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Elsa Keller			LEJA, RO	NALD W
Siemens Corporation			ART UNIT	PAPER NUMBER
Intellectual Propert	ty Department		2836	
170 Wood Avenue South		DATE MAILED: 08/21/2008		
Iselin NI 08830				

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
AL C. CAU LING	10/659,202	EVANS ET AL.	
Notice of Allowability	Examiner	Art Unit	
	RONALD W. LEJA	2836	
The MAILING DATE of this communication appears All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication IGHTS. This application is subject to	plication. If not included will be mailed in due course. THIS	
1. X This communication is responsive to the Amendment of 7/	<u>14/2008</u> .		
2. ☑ The allowed claim(s) is/are <u>1-42</u> .			
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 	.,,,,		
2. ☐ Certified copies of the priority documents have			
3. ☐ Copies of the certified copies of the priority do			
International Bureau (PCT Rule 17.2(a)).	samente nave seen received in time	manorial cago application from the	
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements	
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.		
(a) I including changes required by the Notice of Draftspers	son's Patent Drawing Review (PTO-	948) attached	
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the C	Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			
Attachment(s)	E Notice of Informal D	latant Application	
 Notice of References Cited (PTO-892) D Notice of Draftperson's Patent Drawing Review (PTO-948) 	5. ☐ Notice of Informal P6. ☐ Interview Summary	• •	
	Paper No./Mail Dat	ė .	
 Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 6/12/2008 & 5/15/2008 	7. Examiner's Amendr	nent/Comment	
4. ☐ Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's Stateme	ent of Reasons for Allowance	
of Biological Material	9.		
/Ronald W Leja/	8/18/2008		
Primary Examiner, Art Unit 2836	0/10/2000		



Application No.

The following is an Examiner's Statement of Reasons for Allowance: The instant claimed combinations found within Independent Claims 1, 10, 16, 23, 30 and 34 are considered to be novel and unobvious in view of the Prior Art of Record. The combinations are drawn to temperature compensation for arc fault determination within an apparatus or method and include either specific connections of the sensing resistor to the first and second thermistors of the temperature compensation circuit or specific connections of the sense resistor to neutral on one of its ends and to a neutral pigtail on its other end. It is the opinion of the Examiner that these specific configurations in conjunction with the other limitations within the respective combinations are novel and unobvious in view of the Prior Art of Record. The teachings of Mason, Jr. et al. (6,678,137), appear to be closely related, but there does not appear to be motivation for modifying those teachings so as to meet the claimed combinations.

Any comments considered necessary by Applicant must be submitted no later than the payment of the Issue Fee and, to avoid processing delays, should preferably accompany the Issue Fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to RONALD W. LEJA whose telephone number is (571)272-2053. The examiner can normally be reached on Monday thru Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Sherry can be reached on (571)272-2800. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/659,202 Page 3

Art Unit: 2836

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Ronald W Leja/

Ronald W Leja Primary Examiner Art Unit 2836

/rwl/ August 18, 2008